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GA/T 1400.1-2017

**Video and image information application system for public
security - Part 1: General technical requirements
(English Translation)**

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Foreword

GA/T1400 Video and image information application system for public security

is divided into four parts.

- Part 1. General technical requirements;
- Part 2. Application platform technical requirements;
- Part 3. Database technical requirements;
- Part 4. Interface protocol requirements.

This part is part 1 of the GA/T 1400.

This part was drafted in accordance with the rules given in GB/T 1.1-2009.

The relevant content of this part replaces Chapter 3 of GA/Z 1129-2013, Appendix A, Appendix B, and Appendix C. As compared with GA/Z 1129-2013, the main technical changes are as follows except for editorial changes.

- ADD the image structuring elements (SEE 6.1.1 and 6.2.1);
- ADD the unified identification coding rules for the basic attribute elements of the image information (SEE 7.2.2);
- ADD the unified identification coding rules for the content semantic attribute elements of the image information (SEE 7.2.3).

1 Scope

This part specifies the design principles, system architecture, video image information objects, unified identification code, system functions, system performance, interface protocol structure, security, electromagnetic compatibility, environmental adaptability, power adaptability, reliability, operation and maintenance, and other general technical requirements of the video and image information application system for public security.

This part applies to the overall-plan, program design, project implementation, inspection and acceptance, operation and maintenance of the video and image information application system for public security, as well as the related system equipment development, production and quality control.

2 Normative references

The following documents are essential to the application of this document. For the dated documents, only the versions with the dates indicated are applicable to this document; for the undated documents, only the latest version (including all the amendments) are applicable to this document.

GB 8702-2014 Controlling limits for electromagnetic environment

GB/T 15211-2013 Security alarm equipment - Environmental adaptability requirements and test methods

GB/T 28181-2016 Technical requirements for information transport, switch

and control in video surveillance network system for public security

GB/T 30148-2013 Security alarm equipment - EMC immunity requirements
and test methods

GA/T 543.1-2011 The data elements for public security (1)

GA/T 669.1-2008 Technical standard of city area monitoring and alarming
network system - Part 1. General specification

Attributes of video and image information object

The specific content information of the video image information object that
may be described in the form of a "key-value pair". A video image information
object may contain a plurality of feature attributes.

3.1.4

Video private network

A transmission network that is built on a private line or virtual private network
(VPN) based on non-public network, which is used to support public security
video surveillance networking applications.

3.1.5

Networking platform for video surveillance

The core system software which is deployed in the public security
information network, using GB/T 28181-2016 as the networking standard, to
implement cascaded networking to provide video surveillance integrated
management services.

3.1.6

Sharing platform for video surveillance

The core system software that is deployed in the video private network, using
GB/T 28181-2016 as the networking standard and focusing on the
integration and sharing of video surveillance resources, to provide video
surveillance integrated management services.

3.1.7